# Biennial Survey of State Automated Traffic Enforcement Systems (Red Light and Speed Enforcement Cameras and Equipment) in Illinois during FY18

#### **Bureau of Safety Programs and Engineering (BSPE)**

The following is a summary of the state automated traffic enforcement systems survey, mainly Red Light Cameras (RLC) and Speed Cameras (SC) conducted by the Bureau of Safety Programs and Engineering (BSPE) at the Illinois Department of Transportation (IDOT). The survey questionnaire was designed to gather information and data from the local jurisdictions and political subdivisions responsible for the administration of RLC and SC systems in Illinois. The survey questions included background information of the agency responsible for administering these cameras (name, location, population, types of camera and equipment), general information on the Federal DOT guideline, transparency, accountability, and safety attributes. Specifically, the survey focused on locations, violation, crash statistics, availability of data, procedural information, audits, and process for dispute resolution, and post installation safety and operational performance throughout FY18 (See **Appendix A** for a copy of survey questionnaire).

In January 2018, BSPE identified 309 potential local jurisdictions and political subdivisions that were responsible for all automated traffic enforcement related equipment. On January 24, 2018, each identified local jurisdiction was sent an email and a copy of the RLC and SC survey questionnaire. After several reminders, 163 (53 percent) questionnaires were returned. Of the total 163 jurisdictions, 67 of them reported that they had RLCs in their communities. In order to check the accuracy, consistency, and completeness of the sample, we matched the sample list against the list of 69 Illinois communities and jurisdictions reported by the Insurance Institute for Highway Safety (IIHS) at:

http://www.iihs.org/iihs/topics/laws/automated\_enforcement?topicName=red-light-running.

Out of the 69 IIHS communities with RLCs, only 59 jurisdictions reported to IDOT indicating that they had RLCs in their communities. A total of 10 of the 69 IIHS communities reported that they had no RLCs. Further, our sample includes eight additional jurisdictions, not identified in the IIHS database, with RLCs in their communities (**See Table 1**). It should be noted that the Illinois Compiled Statutes (**ILCS**) allows these systems <u>only</u> in eight counties: Cook, DuPage, Kane, Lake, Madison, McHenry, St. Clair and Will.

Overall, these **67** jurisdictions/political subdivisions reported **544** locations of RLC intersections. The City of Chicago is the only jurisdiction that has **151** locations of SC road segments.

Table 1: List o	f Jurisdictions a	and Communities with Re	ed Light Cameras
List of Jurisdictions in both IIHS and Sample Collected by BSPE		Agencies listed on IIHS website that have no Red Light or Speed Cameras	Additional agencies that have Red Light Cameras, but were not listed on the IIHS website
Addison	Melrose Park	Cook County	Burbank
Alsip	Morton Grove	Countryside	Calumet Part
Aurora	North Chicago	East St. Louis	Fox River Grove
Bedford Park	North Riverside	Forest Park	Hillside
Bellwood	Oak Forest	Lake in the Hills	Justice
Bensenville	Oak Lawn	Lyons	Rolling Meadows
Berwyn	Olympia Fields	Northfield	Rosemont
Blue Island	Orland Park	Northlake	West Chicago
Calumet City	Palatine	Warrenville	
Carol Stream	Palos Heights	Westmont Village	
Chicago	Palos Hills		
Country Club Hills	River Forest		
Des Plaines	Roselle		
East Dundee	Schiller Park		
Elk Grove Village	Skokie		
Fox Lake	South Chicago Heights		
Franklin Park	South Holland		
Granite City	Streamwood		
Gurnee	Tinley Park		
Highland Park	Villa Park		
Hoffman Estates	Wauconda		
Hometown	Waukegan		
Homewood	Westchester		
Kildeer	Western Springs		
Lake Zurich	Wheeling		
Libertyville	Wilowbrook		
Lincolnwood	Winfield		
Lisle	Worth		
Lynwood			
Markham			
Maywood			

#### **Findings**

The following survey findings are broken down into four categories: General, Transparency, Accountability, and Safety Attributes.

## General

- The population size of the 67 jurisdictions or political subdivisions where the RLCs are installed ranged from 580 in Bedford Park to 2.7 million in the City of Chicago.
- All the RLC equipment are contracted or leased.
- **56** out of **67** (**83.5 percent**) jurisdictions/political subdivisions reported that they referred to and followed FHWA "Red Light Camera Systems Operational Guidelines" when implementing their automated enforcement system. Additional information on **11** components of FHWA operational guidelines are shown in **Table 2**.

#### <u>Transparency</u>

- 95.5 percent of the jurisdictions/political subdivisions responded that the placement locations of automated enforcement are publically available on their website.
- **52.2** percent of the jurisdictions responded that information on automated enforcement revenue is publically available on their website.
- 23.9 percent of the jurisdictions/political subdivisions responded that disbursement of enforcement revenue is publically available on their website.
- **34.3 percent** of respondents indicated that the number of automated enforcement citations issued publically, are available on their website.
- Over 85 percent of the respondents indicated that there was a warning period before citations were issued. The majority of the respondents (about 42 percent) indicated that the warning period was 30 days.

# <u>Accountability</u>

- **95.7**percent of jurisdictions responded that all citations were signed by sworn law enforcement officers.
- **95.5** percent of jurisdictions/political subdivisions reported that there was a process in place for dispute resolution.
- 79.1 percent of respondents indicated that their automated enforcement program was audited. Among those audited jurisdictions (53 agencies), 45 (84.9 percent) indicated that their automated enforcement program was audited annually.

# Safety Attributes

- About 98.5 percent of the 67 jurisdictions reported that the traffic and safety data (engineering & crash) were utilized to determine placement of automated enforcement platforms.
- Over 97.0 percent of the 69 jurisdictions reported that they analyzed traffic safety data to determine their automated enforcement's impact on safety elements (i.e. crashes, speed, etc.).
- **61** out of **67**jurisdictions/political subdivisions (about **91.0** percent) reported they evaluate their post-installation safety and operational performance. About **64.2** percent of them reported they evaluate their post-installation safety and operational performance annually.

Table 2: Results of Biennial Survey of State Automated Traffic Enforcement Systems (Red Light Cameras) in Illinois				
Frequency and Pe	rcentage Distrib	utions of Surv	vey Question	ıs
Selected Questions	Frequenc	Percent	Frequenc	Percent
	Location T	ype	<i>.</i>	
Village	29	42.65	29	42.65
City	39	57.35	68	100
Po	pulation Size of	City/Village		•
580	1	1.49	1	1.49
3,200	1	1.49	2	2.99
3,968	1	1.49	3	4.48
4,139	1	1.49	4	5.97
4,200	1	1.49	5	7.46
4,400	1	1.49	6	8.96
4,854	1	1.49	7	10.45
5,000	1	1.49	8	11.94
6,672	1	1.49	9	13.43
7,787	1	1.49	10	14.93
8,540	1	1.49	11	16.42
8,957	1	1.49	12	17.91
9,159	1	1.49	13	19.40
9,637	1	1.49	14	20.90
10,459	1	1.49	15	22.39
10,882	1	1.49	16	23.88
11,172	1	1.49	17	25.37
11,200	1		18	26.87
12,500	1	1.49	19	28.36
12,508	1	1.49	20	29.85
12,590	1	1.49	21	31.34
13,000	1	1.49	22	32.84
13,758	1	1.49	23	34.33
14,000	1	1.49	24	35.82
16,000	1	_	25	37.31
16,563	1		26	38.81
17,410	1		27	40.30
18,110	1		28	41.79
18,500	1	1.49	29	43.28

Table 2: Results of Biennial So Systems (Re	urvey of Stat ed Light Cam			rcement
Frequency and Percent	tage Distribu	tions of Surv	ey Question	S
Selected Questions	Frequenc y	Percent	Frequenc y	Percent
19,107	1	1.49	30	44.78
Frequency and Percent	tage Distribu	tions of Surv	ey Question	S
Selected Questions	Frequenc y	Percent	Frequenc y	Percent
19,600	1	1.49	31	46.27
Popula	tion Size of C	City/Village		
19,631	1	1.49	32	47.76
19,800	1	1.49	33	49.25
20,405	1	1.49	34	50.75
21,882	1	1.49	35	52.24
22,000	2	2.99	37	55.22
23,000	1	1.49	38	56.72
23,227	1	1.49	39	58.21
24,000	1	1.49	40	59.70
24,021	1	1.49	41	61.19
25,229	1	1.49	42	62.69
26,530	1	1.49	43	64.18
27,086	1	1.49	44	65.67
27,792	1	1.49	45	67.16
28,908	1	1.49	46	68.66
30,000	1	1.49	47	70.15
31,056	1	1.49	48	71.64
32,000	1	1.49	49	73.13
32,200	1	1.49	50	74.63
34,000	1	1.49	51	76.12
36,732	1	1.49	52	77.61
37,000	1	1.49	53	79.10
38,315	1	1.49	54	80.60
40,000	1	1.49	55	82.09
42,000	1	1.49	56	83.58
52,271	1	1.49	57	85.07
56,257	1	1.49	58	86.57
56,831	1	1.49	59	88.06
57,000	1	1.49	60	89.55
58,141	1	1.49	61	91.04
59,000	1	1.49	62	92.54

64,784	1	1.49	63	94.03
68,766	1	1.49	64	95.52
89,800	1	1.49	65	97.01
200,000	1	1.49	66	98.51
2,700,000	1	1.49	67	100.00

## **GENERAL**

Q2: Did the jurisdictional/political subdivision refer to and follow FHWA "Red Light Camera Systems Operational Guidelines" when implementing its automated enforcement system? If Yes, please check applicable boxes below.

Frequency and P	ercentage Distribu	tions of Surv	vey Question	ıs
Selected Questions	Frequenc y	Percent	Frequenc y	Percent
Yes	56	83.58	56	83.58
Don't Know/NA	11	16.42	67	100
Q2A: Invest	tigating Intersection	n Safety (Ch	apter III)	
Yes	51	76.12	51	76.12
No	16	23.88	67	100
Q2B	: Engineering Stud	v (Chapter II	D	
Yes	51	76.12	51	76.12
No	16	23.88	67	100
O2C: Engi	neering Counterme	asuros (Cha	nter IV)	
Yes	47	70.15	47	70.15
No	20	29.85	67	100
	Q2D: Education (C	hantar IV/		
Yes	49	73.13	49	73.13
No	18	26.87	67	100
	2E: Enforcement (		<del>,</del>	<del>,</del>
Yes	52	77.61	52	77.61
No OSE E	15	22.39	67	100
Q2F: Ear	rly Planning and S	tartup (Chap	ter v)	
Yes	50	74.63	50	74.63
No	17	25.37	67	100

Q20	G: System Planning	g (Chapter V	)	
Yes	50	74.63	50	74.63
No	17	25.37	67	100
Q2H: Engineering D				1
Yes	51	76.12	51	76.12
No	16	23.88	67	100
	<u> </u>		0	
	ercentage Distribu			
Selected Questions	Frequenc	Percent	Frequenc v	Percent
	<b>y</b>		<u> </u>	
Q2I: Red Light Ca	mera System Insta	Ilation Chap	ter (Chapter	V)
Yes	52	77.61	52	77.61
No	15	22.39	67	100
Q2J: Ope	eration and Mainte	nance (Chap	ter V)	
Yes	52	77.61	52	77.61
No	15	22.39	67	100
Q2K: On-Going F	Public Information	and Education	on (Chapter \	<b>V</b> )
Yes	46	68.66	46	68.66
No	21	31.34	67	100
	TRANSPARE	NCY		
Q3: Are placement location	ons of automated e website?		publicly ava	ilable on a
Yes	64	95.52	64	95.52
No	3	4.48	67	100
Q4: Is information regardi			enue publicl	y available
Yes	on a websit	<b>52.24</b>	35	52.24
No	33	47.76	67	100
INO	32	47.70	07	100
Q5: Is information regarding	ng the disburseme on a websit		renue public	ly available
Yes	16	23.88	16	23.88
No	51	76.12	67	100
		7 3.1.2		
Q6: Is the number of autor	mated enforcemen	t citations is	sued publicl	y available
	on a websit	e?	<u>-</u>	-
Yes	23	34.33	23	34.33

No	44	65.67	67	100
07. 11	:			
Q7: Upon deployment at a sp	ecific location		varning perio	od betore
Yes	57	85.07	57	85.07
No	10	14.93	67	100
Frequency and Percei	 ntage Distribu	tions of Surv	/ey Question	s
Selected Questions	Frequenc	Percent	Frequenc	Percent
	у	4337	у	
Q7A: If yes to	-			
0	13	19.4	13	19.4
1	28	41.79	41	61.19
2	9	13.43	50	74.63
3	1	1.49	51	76.12
4	2	2.99	53	79.1
7	1	1.49	54	80.6
14	6	8.96	60	89.55
15	2	2.99	62	92.54
20	5	7.46	67	100
O7P+	│ If yes to Q7, H	ow Often?		
None	13	19.4	13	19.4
	14	20.9	27	40.3
Day Week	10	14.93	37	55.22
Month	30	44.78	67	100
WOTH	30	44.76	07	100
Q7AB: If v	_  yes to Q7, Ho\	v Many Days	?	
0	13	19.4	13	19.4
7	1	1.49	14	20.9
14	13	19.4	27	40.3
15	2	2.99	29	43.28
20	5	7.46	34	50.75
21	1	1.49	35	52.24
28	2	2.99	37	55.22
30	28	41.79	65	97.01
60	2	2.99	67	100
	ACCOUNTABI	LITY		
Q8: Are citations reviewed a	nd signed by a	a sworn law	enforcement	officer?
Yes	66	95.65	66	95.65

No	3	4.35	69	100				
Ou le there e proce	oo in nloos f	or diaputa re	and ution?					
Q9: Is there a proce	<u>-</u>			05.50				
Yes	64	95.52	64	95.52				
	3	4.48	67	100				
	_							
Frequency and Percentage Distributions of Survey Questions								
Selected Questions	Frequenc	Percent	Frequenc	Percent				
Q10: Is the automated enforcement program audited?								
Yes	53	79.1	53	79.1				
No	12	17.91	65	97.01				
Don't Know/NA	2	2.99	67	100				
			<u> </u>					
Q10A: If yes, How Often								
Six Months	3	4.48	3	4.48				
Annually	45	67.16	48	71.64				
Biennially	3	4.48	51	76.12				
Don't Know	16	23.88	67	100				
_	FETY ATTRIE							
Q11: Is traffic and safety data placement of aut				ermine				
Yes	66	98.51	66	98.51				
No	1	1.49	67	100				
		1.10		100				
Q12: Does the jurisdictional/po	litical subdiv	ı ision analyz	e traffic safe	ty data to				
determine its automated enforce	ement's impa	ct on safety						
	speed, etc.		Eroguenov	Doroont				
Yes	Frequency 65	Percent 97.01	Frequency 65	Percent 97.01				
No	2	2.99	67	100				
TNO	2	2.99	07	100				
Q13: Does the jurisdictional/pol	  itical subdiv	ision evaluat	te the post-ir	stallation				
safety and operational performance?								
Yes	61	91.04	61	91.04				
No	6	8.96	67	100				
	f Yes to Q13,	how often						
Weekly	3	4.48	3	4.48				
Monthly	1	1.49	4	5.97				

Annually	43	64.18	47	70.15
Six Month/Biannually	8	11.94	55	82.09
Don't Know	12	17.91	67	100

Table 1: Results of Biennial Survey of State Automated traffic Enforcement	
Systems (Red Light Cameras) in Illinois	
Frequency and Percentage Distributions of Survey Questions	
Selected Questions	Frequency
Location Type	
Village	29
City	39
Population Size of City/Village	
580	1
3200	1
3968	1
4139	1
4200	1
4400	1
4854	1
5000	1
6672	1
7787	1
8540	1
8957	1
9159	1
9637	1
10459	
10882	1
11172	1
11200	1
12500	1
12508	
12590	1
13000	
13758	1
14000	1
16000	1

46563	. 1
16563	1
17410	1
18110	1
18500	1
19107	1
19600	1
19631	1
19800	1
20405	1
21882	1
22000	2
23000	1
23227	1
24000	1
24021	1
25229	1
26530	1
27086	1
27792	1
28908	1
30000	1
31056	1
32000	1
32200	1
34000	1
36732	1
37000	1
37000	
	1
40000	1
42000	1
52271	1
56257	1
56831	1
57000	1
58141	1
59000	1
64784	1
68766	1
89800	1
200000	1
2700000	1

	GENERAL	
	dictional/political subdivision refer to and follow FHWA "Red Light	1
-	ems Operational Guidelines" when implementing its automated	1
enforce	ment system? If Yes, please check applicable boxes below.	<del> </del>
W- s		F.C.
Yes Don't Know/NA		56 11
DOIT E KITOW/ IVA		11
	Q2A: Investigating Intersection Safety (Chapter III)	
Yes		51
No		16
		<u> </u>
	Q2B: Engineering Study (Chapter III)	<del> </del>
Yes		51
No		16
	Q2C: Engineering Countermeasures (Chapter IV)	
Yes		47
No		20
	Q2D: Education (Chapter IV)	
Yes		49
No		18
	COST. Fuf-warmant (Chamtau IV)	<del>                                     </del>
W	Q2E: Enforcement (Chapter IV)	<del></del>
Yes No		52 15
NO	Q2F: Early Planning and Startup (Chapter V)	15
	QZI : Lully I lulling and startup (simples: 1)	
Yes		50
No		17
	Q2G: System Planning (Chapter V)	
Yes		50
No		17
	Engineering Design of Red-Light Camera Systems (Chapter V)	<u> </u>

No Q2I: Red Light Camera System Installation Chapter (Chapter V)  Yes 52 No 155  Q2I: Operation and Maintenance (Chapter V)  Yes 52 No 155  Q2K: On-Going Public Information and Education (Chapter V)  Yes 46 No 211  TRANSPARENCY Q3: Are placement locations of automated enforcement publicly available on a website? Yes 64 No 33  Q4: Is information regarding automated enforcement revenue publicly available on a website? Yes 35 No 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website? Yes 65 No 65 Q6: Is the number of automated enforcement citations issued publicly available on a website? Yes 66 Q6: Is the number of automated enforcement citations issued publicly available on a website? Yes 67 No 67: Upon deployment at a specific location, is there a warning period before citations are issued? Yes 77 No 10 Q7: Upon deployment at a specific location, is there a warning period before citations are issued? Yes 77 No 10 Q7: Upon deployment at a specific location, is there a warning period before citations are issued?	Yes	51
Yes 52 No 221: Operation and Maintenance (Chapter V)  Yes 52 No 221: Operation and Maintenance (Chapter V)  Yes 52 No 52 No 52 No 552 No 155  Q2K: On-Going Public Information and Education (Chapter V)  Yes 46 No 211  TRANSPARENCY Q3: Are placement locations of automated enforcement publicly available on a website? Yes 64 No 33 Q4: Is information regarding automated enforcement revenue publicly available on a website? Yes 352 No 352 Q5: Is information regarding the disbursement of this revenue publicly available on a website? Yes 16 No 51 Q6: Is the number of automated enforcement citations issued publicly available on a website? Yes 16 No 51 Q7: Upon deployment at a specific location, is there a warning period before citations are issued? Yes 57 No 10		+ +
Yes   S2   No   15   15   15   15   15   15   15   1		10
Yes   S2   No   15   15   15   15   15   15   15   1	O2I: Red Light Camera System Installation Chapter (Chapter V)	
No Q2J: Operation and Maintenance (Chapter V)  Yes 52 No 155  Q2K: On-Going Public Information and Education (Chapter V)  Yes 46 No 221  TRANSPARENCY  Q3: Are placement locations of automated enforcement publicly available on a website?  Yes 64 No 33  Q4: Is information regarding automated enforcement revenue publicly available on a website?  Yes 35 No 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods		52
Yes   52 No   15 Q2K: On-Going Public Information and Education (Chapter V)   46 No   21  TRANSPARENCY   46 No   21  TRANSPARENCY   48 No   3  Q3: Are placement locations of automated enforcement publicly available on a website? Yes   48 No   3  Q4: Is information regarding automated enforcement revenue publicly available on a website? Yes   35 No   32  Q5: Is information regarding the disbursement of this revenue publicly available on a website? Yes   16 No   51  Q6: Is the number of automated enforcement citations issued publicly available on a website? Yes   16 No   51  Q7: Upon deployment at a specific location, is there a warning period before citations are issued? Yes   57 No   10  Q7A: If yes to Q7, Number of Warning Periods   0 13		+ + +
Yes	····	-
Yes	Q2J: Operation and Maintenance (Chapter V)	
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Q3: Are placement locations of automated enforcement publicly available on a website?  Yes 64 No 3  Q4: Is information regarding automated enforcement revenue publicly available on a website?  Yes 35 No 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods  0 13		
Yes 64 No 3  Q4: Is information regarding automated enforcement revenue publicly available on a website? Yes 35 No 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website? Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website? Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued? Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods 0 13	TRANSPARENCY	
No A4: Is information regarding automated enforcement revenue publicly available on a website?  Yes 35 No 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods  0 13	Q3: Are placement locations of automated enforcement publicly available on a website?	
Q4: Is information regarding automated enforcement revenue publicly available on a website?  Yes 35 No 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods  0 13	Yes	64
Yes 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16  No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23  No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57  No 10  Q7A: If yes to Q7, Number of Warning Periods 0 13	No	3
Yes 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16  No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23  No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57  No 10  Q7A: If yes to Q7, Number of Warning Periods 0 13		
No 32  Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16  No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23  No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57  No 10  Q7A: If yes to Q7, Number of Warning Periods  0 13	Q4: Is information regarding automated enforcement revenue publicly available on a website?	
Q5: Is information regarding the disbursement of this revenue publicly available on a website?  Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods 0 13	Yes	35
Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods 0 13	No	32
Yes 16 No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23 No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57 No 10  Q7A: If yes to Q7, Number of Warning Periods 0 13		
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No 51  Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes 23  No 44  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes 57  No 10  Q7A: If yes to Q7, Number of Warning Periods  0 13	Q5: Is information regarding the disbursement of this revenue publicly available on a website?	
Q6: Is the number of automated enforcement citations issued publicly available on a website?  Yes  No  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes  No  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  O 10  Q7A: If yes to Q7, Number of Warning Periods  0 13	Yes	16
Yes  No  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes  No  Q7A: If yes to Q7, Number of Warning Periods  0 13	No	51
Yes  No  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes  No  Q7A: If yes to Q7, Number of Warning Periods  0 13		
No  Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes  No  Q7A: If yes to Q7, Number of Warning Periods  0 13	Q6: Is the number of automated enforcement citations issued publicly available on a website?	
Q7: Upon deployment at a specific location, is there a warning period before citations are issued?  Yes  No  Q7A: If yes to Q7, Number of Warning Periods  0 13	Yes	23
issued?  Yes  No  Q7A: If yes to Q7, Number of Warning Periods  0 13	No	44
issued?  Yes  No  Q7A: If yes to Q7, Number of Warning Periods  0 13		
Yes         57           No         10           Q7A: If yes to Q7, Number of Warning Periods           0         13		
No 10 Q7A: If yes to Q7, Number of Warning Periods 0 13		F 7
Q7A: If yes to Q7, Number of Warning Periods  0 13		+
0 13	NO	10
0 13	O7A: If yes to O7 Number of Warning Periods	
		13
	1	28

	2	9	I
	3	1	
	4	2	T
	7	1	T
	14	6	
	15	2	
	20	5	
	OTD If we to OT How Office?		-
070	Q7B: If yes to Q7, How Often?		<u> </u>
Q7B		Frequency	Р
None		13	$\vdash$
Day		14	$\vdash$
Week		10	⊬
Month		30	-
Q	Q7AB: If yes to Q7, How Many Days?		
Q7AB		Frequency	Р
	0	13	
	7	1	
	14	13	
	15	2	
	20	5	
	21	1	
	28	2	
	30	28	
	60	2	L
	ACCOUNTABILITY		
	riewed and signed by a sworn law enforcement officer?		igapha
Yes		66	╀
No		3	-
Q9: Is the	ere a process in place for dispute resolution?		┢
Yes	•	64	T
		3	T_
Q10: Is the	e automated enforcement program audited?		
Yes		53	L
No		12	L
Don't Know/NA		2	L
	Odob Hara Hara Office		L
	Q10A: If yes, How Often		L

Six Months	3	
Annually	45	
Biennially	3	
Don't Know	16	
SAFETY ATTRIBUTES		
Q11: Is traffic and safety data (engineering & crash) utilized to determine placement of automated enforcement platforms?		
Yes	66	
No	1	
Q12: Does the jurisdictional/political subdivision analyze traffic safety data to determine its automated enforcement's impact on safety elements (i.e. crashes, speed, etc.)?		
	Frequency	Р
Yes	65	
No	2	
Q13: Does the jurisdictional/political subdivision evaluate the post-installation safety and operational performance?		
Yes	61	
No	6	
Q13A: If Yes to Q13, how often		
Weekly	3	
	1	
Monthly	1	
Annually	43	
·		

# Appendix A: A copy of Survey Questionnaire